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09/727,842	11/30/2000	Francis James Canova JR.	PALM-3520 . US . P	3911

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02/25/2004

WAGNER, MURABITO & HAO LLP  
Two North Market Street, Third Floor  
San Jose, CA 95113

EXAMINER

ABDULSELAM, ABBAS I

ART UNIT PAPER NUMBER

2674

DATE MAILED: 02/25/2004

13

Please find below and/or attached an Office communication concerning this application or proceeding.

## Office Action Summary

Application No.

09/727,842

Applicant(s)

FRANCIS CANOVA

Examiner

Abbas I Abdulsalam

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 05 January 2004.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. §§ 119 and 120

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413) Paper No(s). \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

## **DETAILED ACTION**

### ***Continued Examination Under 37 CFR 1.114***

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 01/05/04 has been entered.

### ***Claim Rejections - 35 USC § 103***

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Ho (USPN 6407757).

Regarding claims 1, 11 and 21, Ho as shown in Fig.7 teaches a browsing device (740) sending signals through a bus (741) to a computer input port (730) and to a browsing /viewing software, (720), so as to effect operations on the screen (721) of the computer. Ho teaches a conversion software (710) enabling to pre-convert a document (701) to be used in conjunction with a browsing device (740). See col. 25, lines 10-40 and Fig. 7. However, in Fig. 7, Ho does not illustrate a user interface including "a plurality of flexible layers" fastened to each other

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along a single edge in a stack, and not fastened to each other along other edges. On the other hand, Ho teaches as shown in Figs (15A-15C) a device (1500) which includes many thin, hard and flexible pieces of material (1501) bound together in a manner of a binding of pages in a book. See col. 33, lines 26-37. Further, Ho teaches that device (1500) has four buttons (1511-1514) on the top surface (1530), and four buttons (1531-1534) on the bottom surface (1530) serving as function buttons as shown in Fig. 15B.

Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to replace Ho's browsing device (740) by a device (1550) of Fig. 15 for the purpose of browsing or scrolling through documents or any information stored in the computer.

Regarding claim 11, in addition to what has been described, Ho as shown in Fig. 4A teaches a movement through a document under the control of thumb on the browsing device such that the amount of force applied by the thumb determines the initiation of movement through document (405, 406) as well as positions (406). See fig. 4A. It would have been obvious that the "initiation of movement through document" can be used to satisfy the desired detection of movement of the layers.

Regarding claim 21, in addition to what has been described above, Ho teaches a computer-based process permitting different organizations of material corresponding to display format including organized pages that can be flipped. See col. 7, lines 22-43. Ho further teaches a method of generating flipping pages from a document stored in some media on a personal computer such as a laptop. See col. 20, lines 29-33. It would have been obvious to one of ordinary skill in the art at the time the invention was made to utilize the laptop as a personal computer for the purpose of organizing and incorporating the flipping technique.

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Regarding claims 2, 12 and 22, Ho discloses an open fan display for displaying pages used in conjunction with the flipping method (500) (Fig. 5A, 6A). Ho teaches that the flipping is to take place using at thumb (122). See col. 21, lines 12-23. It would have been obvious the flipping constituted separation of one page (602) from the other (603) and hence meets “the desired separation of a first flexible layer from a second flexible layer.”

Regarding claims 3, 13 and 23, Ho teaches as shown in the Fig. 14, a process by which the flipping display of Figs (13A-13B) is generated. Ho details flipping action with respect to moving points (1404, 1405) and arcs (1406) generated based on the equation illustrated in Fig. 14C. It would have been obvious the movement on the curve shown in Fig. 14 meets flexibility separation as well as contacting of pages.

Regarding claims 4, 7, 14, 17, 24-25 and 27, Ho teaches as shown in Fig. 13A a page (1301) bending as it is being flipped from right to left. See col. 32, lines 55-56.

Regarding claims 5 and 15, Ho teaches the position of the thumb (122) in the x direction on the sensor area as detected by the position sensors (121) on the slanted surface (120). See col. 13, lines 1-18.

Regarding claim 8, Ho discloses flip through the pages at varying speeds depending on the need to view the material in the book. See col. 2, lines 37-42.

Regarding claims 9-10 and 19-20, see Fig. 7 (730, 740).

Regarding claims 6, 16 and 26, Ho teaches that teaches a computer-based process in which organization of materials are used including organizing into pages that can be flipped through page by page from right to left or vise versa. See col. 7, lines 21-30. It would have been

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obvious that such a flip maintains the order of the pages and hence meets the desired order in which flexible layers are moved.

Regarding claims 18 and 28, Ho discloses flip through the pages at varying speeds depending on the need to view the material in the book. See col. 2, lines 37-42.

### **Conclusion**

3. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. The following arts are cited for further reference.

U.S. Pat. No. 4,221,975 to Ledniczki et al.

U.S. Pat. No. 6,127,908 to Bozler et al.

U.S. Pat. No. 6,618,034 to Sugahara et al.

4. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Abbas Abduselam** whose telephone number is **(703) 305-8591**. The examiner can normally be reached on Monday through Friday (9:00-5:30).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Richard Hjerpe**, can be reached at **(703) 305-4709**.

**Any response to this action should be mailed to:**

Commissioner of patents and Trademarks

Washington, D.C. 20231

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or faxed to:

**(703) 872-9314**

Hand delivered responses should be brought to Crystal Park II, Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology center 2600 customer Service office whose telephone number is (703) 306-0377.

Abbas Abdulsalam

Examiner

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February 14, 2004

  
**XIAO WU**  
**PRIMARY EXAMINER**

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